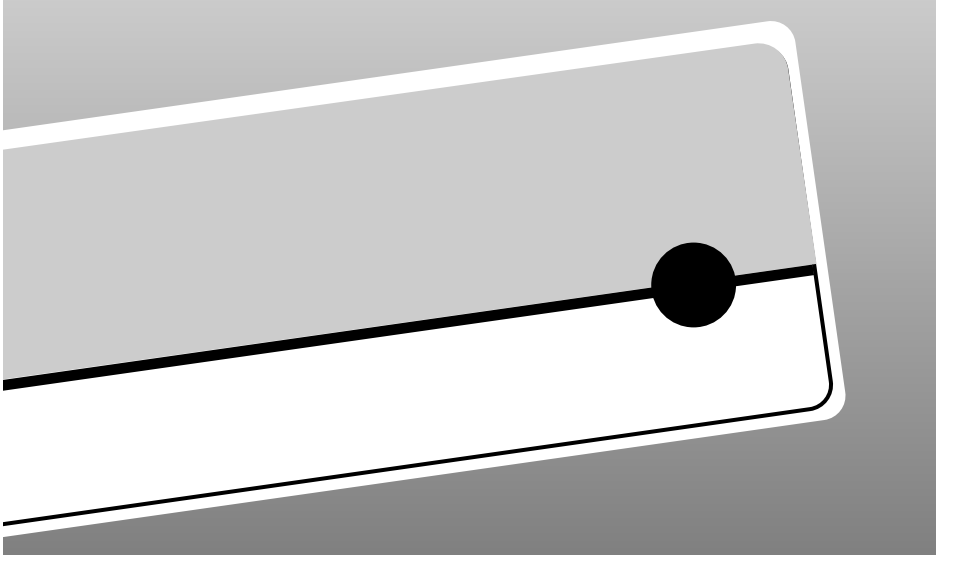
SAMSUNG

USER'S MANUAL

SH07ZP2 Series
SH09ZP2 Series
SH12ZP4 Series
SH18ZPJ Series
SH24ZP6 Series

Split-type Room Air Conditioner
(Cooling and Heating)



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Safety Precautions

The following safety precautions must be taken when using your air conditioner.

WARNING Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning. • This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

DURING OPERATION

- Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.
- Never spill any kind of liquid into the unit. Should this happen, unplug or main switch off the unit and contact an authorized service center.
- Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
- Do not place any obstacles in front of the unit.
- Do not spray liquid of any kind into the indoor unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.
- Make sure that the unit is correctly ventilated at all times:
  Do not place clothing or other materials over it.
- If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
- When using a wireless remote control, the distance should not be more than 7 m from the air conditioner. (If applicable)

DISPOSING OF THE UNIT

- Before throwing out the device, it is necessary to pull back the battery cells and get rid of them safely for recycling reasons.
- When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin, causing injury. Releasing refrigerant into the atmosphere also damages the environments.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.

OTHERS

- Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
- The appliance is not intended for use by young children or infirm persons without supervision: Young children should be supervised to ensure that they do not play with the appliance.
- Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

Contents

◆ **PREPARING YOUR AIR CONDITIONER**

- Safety Precautions 2
- View of the Unit 4
- Remote Control-Buttons and Display 6
- Getting Started 7
- Inserting the Remote Control Batteries 8

◆ **OPERATING YOUR AIR CONDITIONER**

- Selecting the Automatic Operating Mode 9
- Cooling Your Room 10
- Heating Your Room 11
- Changing the Room Temperature Quickly 12
- Removing Excess Humidity 13
- Airing Your Room 14
- Selecting Energy Saving Mode 15
- Generating Anions 16
- Adjusting the Air Flow Direction Vertically 17
- Adjusting the Air Flow Direction Horizontally 17

◆ **PROGRAMMING YOUR AIR CONDITIONER**

- Setting the On Timer 18
- Setting the Off Timer 19
- Setting the Sleep Timer 20

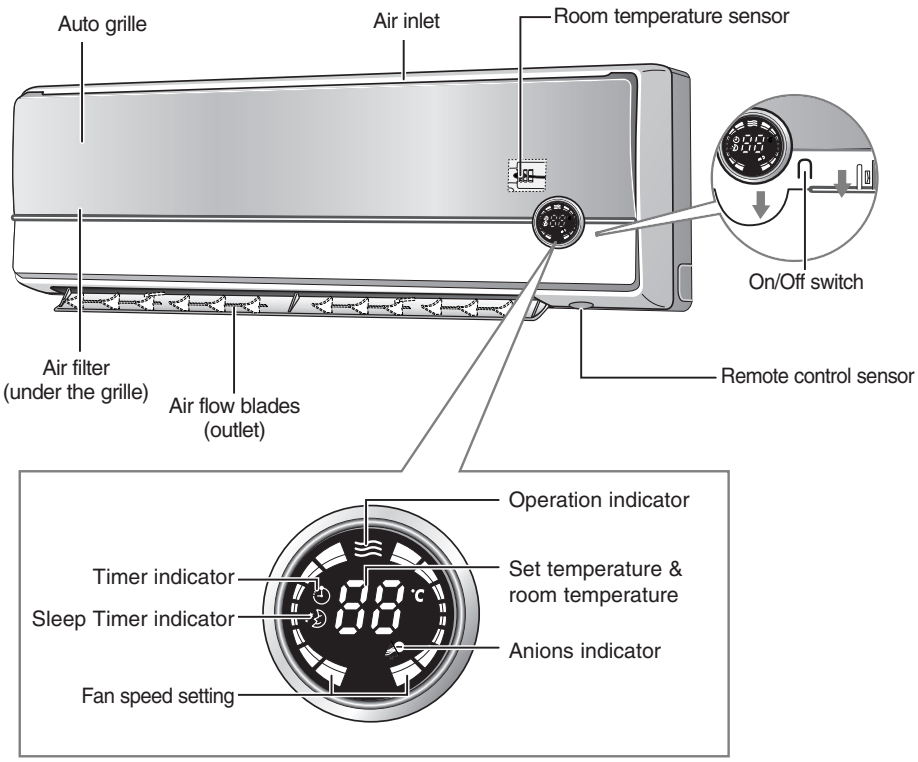
◆ **RECOMMENDATIONS FOR USE**

- Operating Recommendations 21
- Temperature and Humidity Ranges 22
- Operating Your Air Conditioner Without the Remote Control 22
- Solving Common Problems 23
- Cleaning Your Air Conditioner 24
- Cleaning Deodorizing and Bio Filters (Option) 25

View of the Unit

The design and shape are subject to change according to the model.

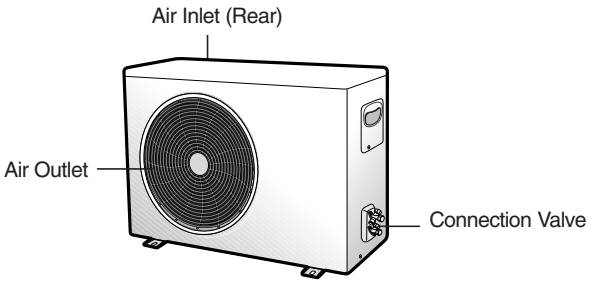
Indoor Unit



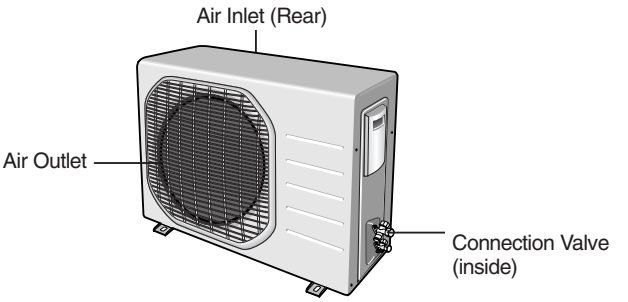
Note

- If you want to turn on/off the Display during operation, press the Digital i On/Off button on the remote control.
- The room temperature sensor senses air temperature around the sensor, and shows the temperature on the display.

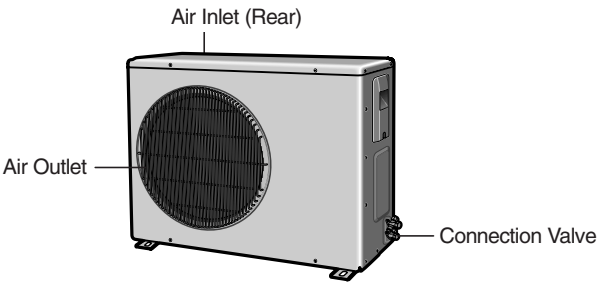
Outdoor Unit SH07ZP2 Series SH09ZP2 Series SH12ZP4 Series



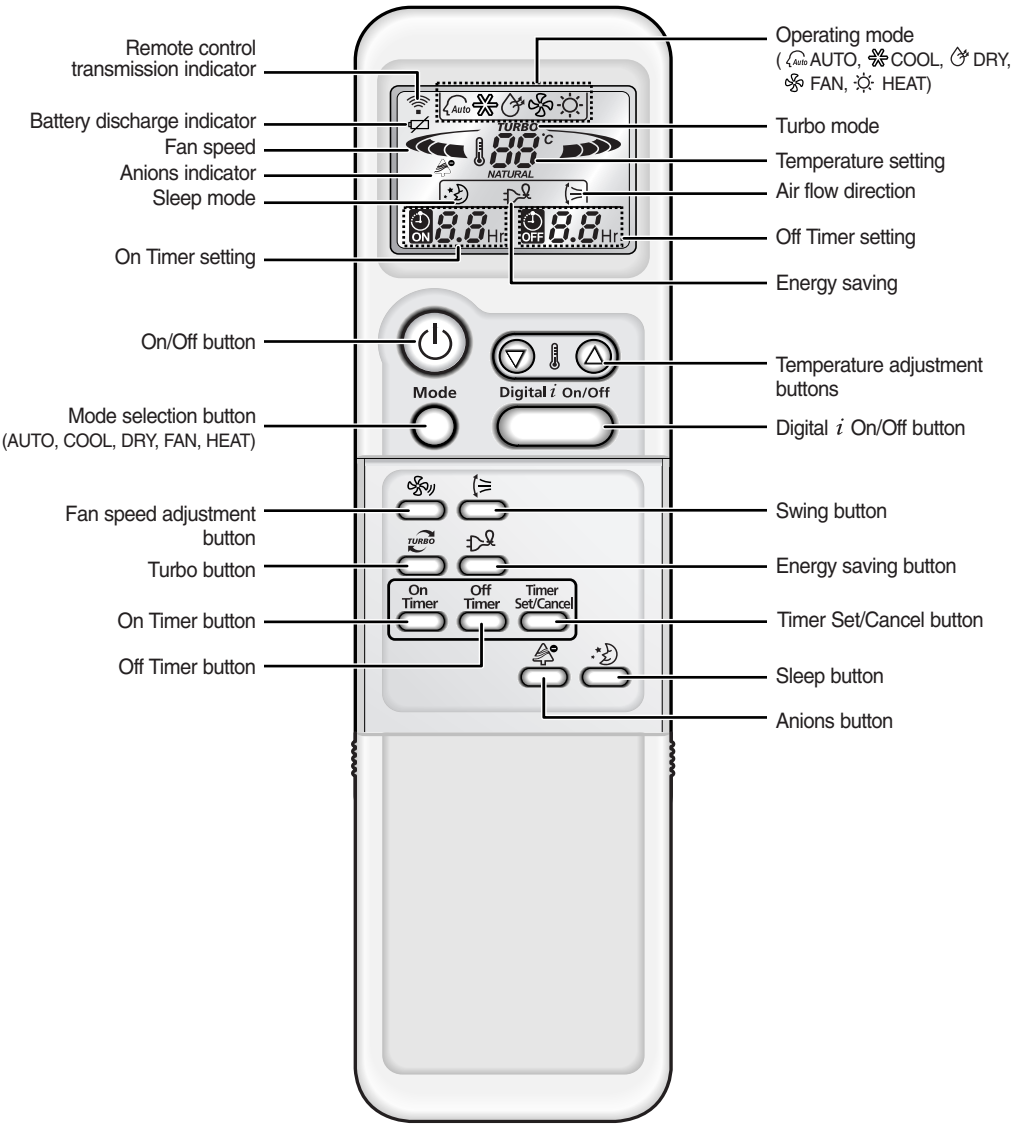
Outdoor Unit SH18ZPJ Series



Outdoor Unit SH24ZP6 Series



Remote Control - Buttons and Display



Getting Started

You have just purchased a split type air conditioner and it has been installed by your installation specialist.

Your Owner's Instructions contains valuable information on using your air conditioner. Please take the time to read it as it will help you take full advantage of the unit's features.

The booklet is organized as follows.

- ***The following figures are shown on pages from 4 to 6 :***
  - ***Indoor and outdoor units***
  - ***Remote control(buttons and display)***

  They will help you find the buttons and understand the symbols displayed.

- ***In the manual, you will find a series of step-by-step procedures for each function available.***

The illustrations in the step-by-step procedures use 3 different symbols:

PRESS	**PUSH**	**HOLD DOWN**

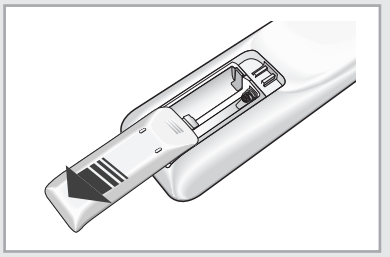
Inserting the Remote Control Batteries

You must insert or replace the remote control batteries when :

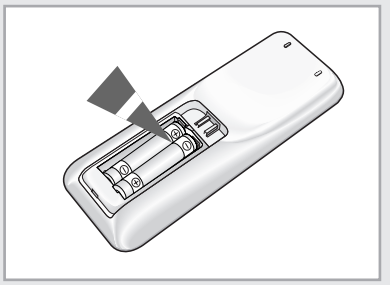
- ***You purchase the air conditioner***
- ***The remote control does not work correctly***

Note

- Use 2 AAA, LR03 1.5V batteries.
- Do not use old batteries or different kinds of batteries together.
- Batteries may be completely discharged after 12 months, even if they have not actually been used.



1 Push the battery cover on the rear of the remote control with your thumb in the direction of the arrow and remove it.



2 Insert the two batteries, taking care to respect the polarities :
- + on the battery with + on the remote control.
- - on the battery with - on the remote control.

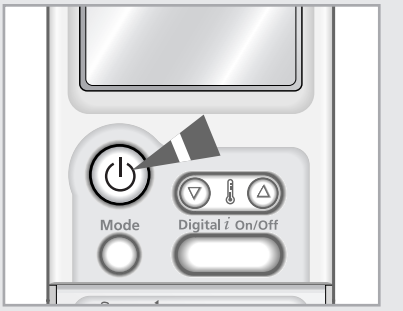
3 Close the cover by sliding it back until it clicks into place.

Selecting the Automatic Operating Mode

You can start the air conditioner in Automatic mode from your remote control. In the Automatic mode, the optimum temperature and the fan speed is selected automatically.

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

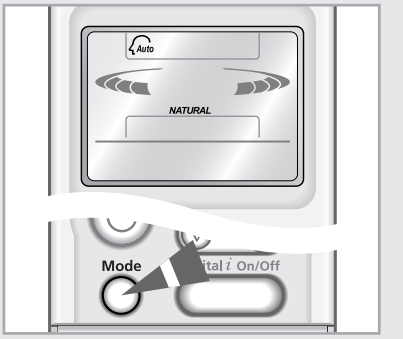


CAUTION The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Plugged in
- Stopped

It will start up normally after 3 minutes.

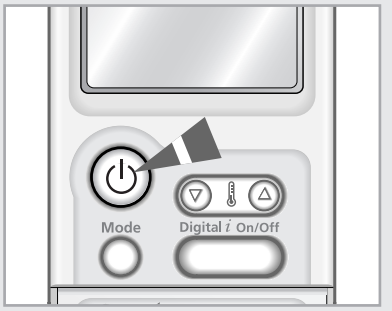
2 If the Auto is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

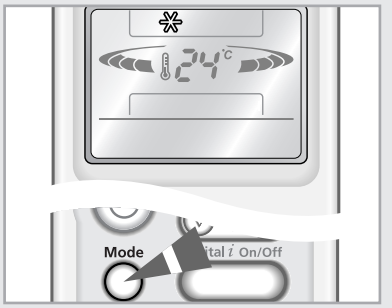
Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in AUTO mode.

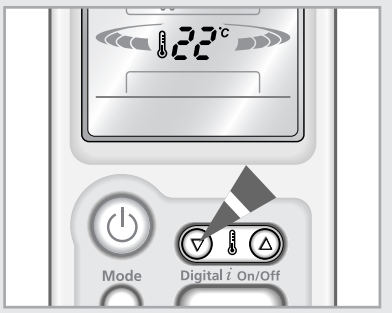


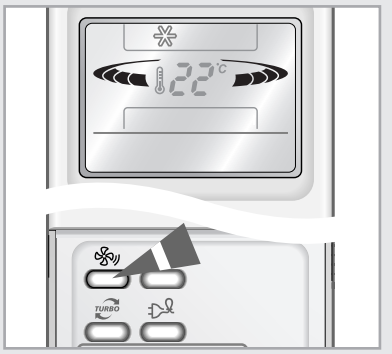
Note You can change modes at any time.

Cooling Your Room









You must select the Cool mode if you wish to adjust the:

- ***Cooling temperature***
- ***Fan speed when cooling***

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

CAUTION The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Plugged in
- Stopped

It will start up normally after 3 minutes.

2 If the is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in COOL mode.

Note You can change modes at any time.

3 To adjust the temperature, press the button one or more times until the required temperature is displayed.
Possible temperatures are between 18°C and 30°C inclusive.

Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts cooling, provided that the room temperature is higher than the selected temperature.
- If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan is still operating.

4 Select the fan speed by pressing the button one or more times until the required setting is displayed:

- Automatic (rotated : → → → →)
- Low
- Medium
- High

Result: Each time you press the button, the indoor unit beeps.

5 To control the direction of the air flow, refer to page 17.

Heating Your Room

You must select the Heat mode if you wish to adjust the:

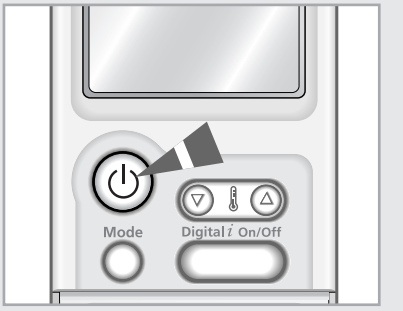
- ***Heating temperature***
- ***Fan speed when heating***

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

CAUTION The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Plugged in
- Stopped

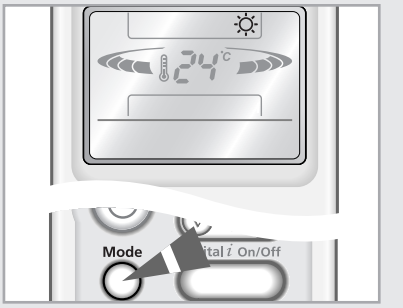
It will start up normally after 3 minutes.



2 If the ☼ is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in HEAT mode.

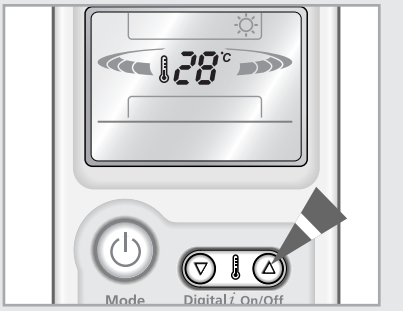
Note You can change modes at any time.



3 To adjust the temperature, press the button one or more times until the required temperature is displayed.

Possible temperatures are between 16°C and 30°C inclusive.

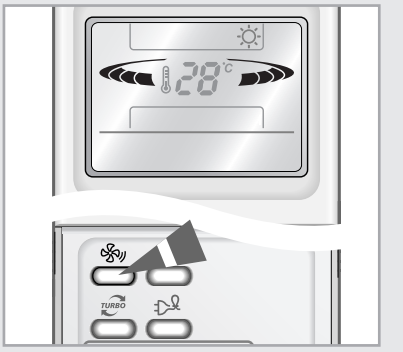
Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts heating, provided that the room temperature is lower than the desired temperature (selected temperature +3°C).
- If the room temperature reaches the set temperature, the air conditioner stops heating, but the fan is still operating.



4 Select the fan speed by pressing the button one or more times until the required setting is displayed:

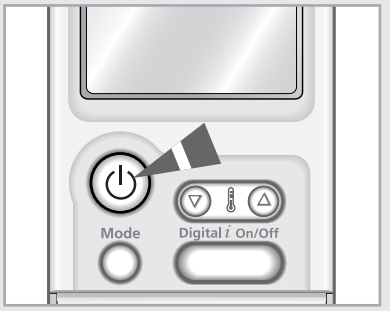
- Automatic (rotated : → → → →)
- Low
- Medium
- High

Result:
- Each time you press the button, the indoor unit beeps.
- For the first three to five minutes, the fan operates very slowly until the air has been sufficiently warmed. Once the correct temperature has been reached, the fan is automatically set to the required speed.



5 To control the direction of the air flow, refer to page 17.

Changing the Room Temperature Quickly



The Turbo cooling/heating function is used to cool or heat your room as quickly as possible.

Example : ***You have just come home and find that the room is very hot. You wish to cool it down as quickly as possible.***

The Turbo function operates for 30 minutes with the maximum settings before returning automatically to the mode and temperature previously selected.

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

2 Press the TURBO button.

Result:
- The temperature and fan settings are adjusted automatically.
- The air conditioner cools or heats the room as quickly as possible.
- After 30 minutes, the air conditioner is reset automatically to the previous mode, temperature and fan settings.

  But, if you press the TURBO button in DRY or FAN mode, it will change to AUTO mode automatically.

3 If you wish to stop the Turbo function before the end of the 30-minute period, press the TURBO button again.

Result: The air conditioner is reset automatically to the previous mode, temperature and fan settings.

4 To control the direction of the air flow, refer to page 17.

Removing Excess Humidity

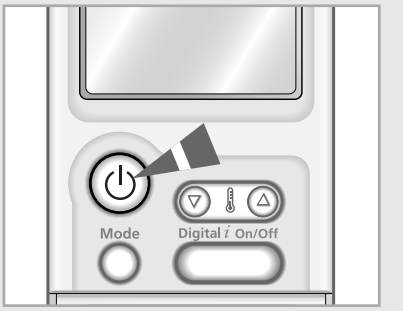
If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

CAUTION The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Plugged in
- Stopped

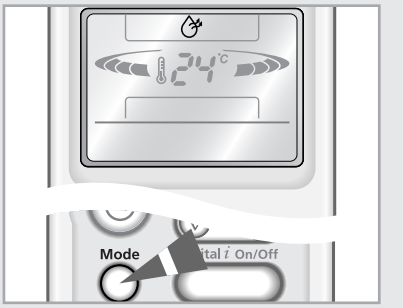
It will start up normally after 3 minutes.



2 If the is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in DRY mode.

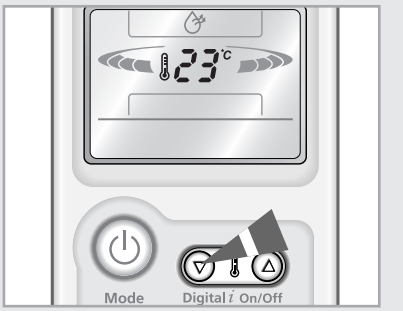
Note You can change modes at any time.



3 To adjust the temperature, press the button one or more times until the required temperature is displayed.

Possible temperatures are between 18°C and 30°C inclusive.

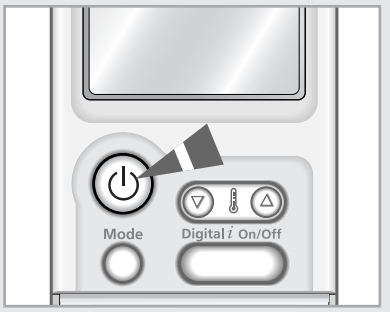
Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts removing the excess humidity; the quantity of air is adjusted automatically.



4 To control the direction of the air flow, refer to page 17.

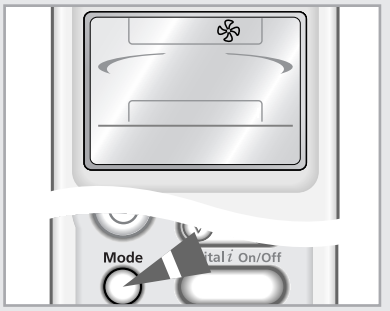
Airing Your Room

If the atmosphere in your room is stale, you can air the room using the Fan feature.



1 If necessary, press the (On/Off) button.

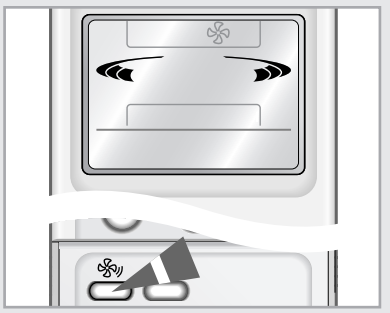
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.



2 If the is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in FAN mode.
- The temperature is set automatically.

Note You can change modes at any time.



3 Select the fan speed by pressing the button one or more times until the required setting is displayed:

Low
Medium
High

Result: Each time you press the button, the indoor unit beeps.

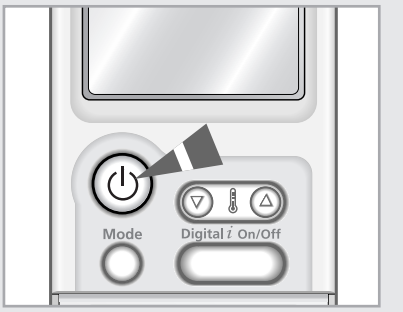
4 To control the direction of the air flow, refer to page 17.

Selecting Energy Saving Mode

If you wish to save energy when using your air conditioner, select the Energy saving mode with the Energy saving button.

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

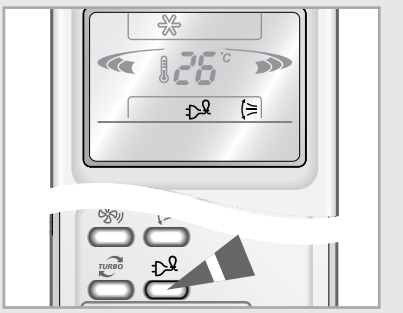


CAUTION The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Plugged in
- Stopped

It will start up normally after 3 minutes.

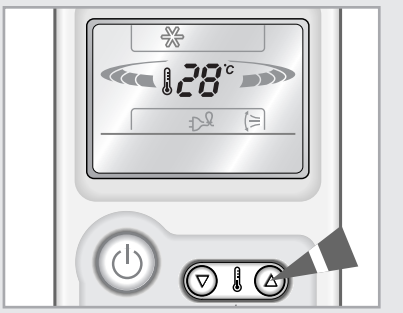
2 Select COOL mode by pressing the Mode button.

Note You can select the Energy saving mode only in COOL mode.



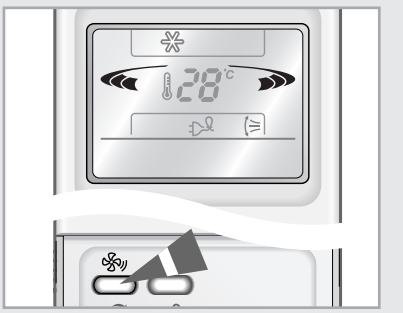
3 Press the button.

Result:
- The indoor unit beeps.
- The air conditioner runs in the Energy saving mode.
- The outer air flow blade moves up and down.
- To stop the Energy saving mode, press the button again.



4 To adjust the temperature, press the button one or more times until the required temperature is displayed. Possible temperatures are between 26°C and 30°C inclusive.

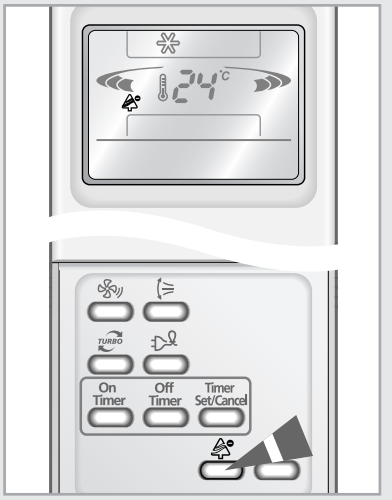
Note If you want to adjust temperature under 26°C, cancel the Energy saving mode before adjusting the temperature.



5 To select the fan speed, press the button one or more times until the required setting is displayed.

6 To control the direction of the air flow, refer to page 17.

Generating Anions



The air conditioner can generate anions with an ionizer in the indoor unit. Since it is an additional function, you can select it any mode, even when the air conditioner is turned off.

1 Press the button.

Result:
- The air conditioner generates anions.
- The indoor unit beeps.

Note If you press the button during off, the air conditioner will turn on automatically and generate anions in the Fan mode with Low fan speed.

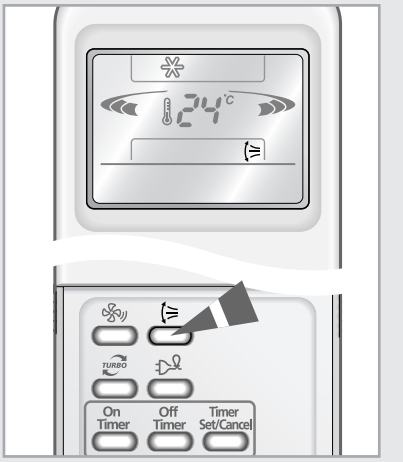
2 If you wish to stop the Anions function, press the button again.

Result: The air conditioner is reset automatically to the previous mode, temperature and fan settings.

3 To control the direction of the air flow, refer to page 17.

Adjusting the Air Flow Direction Vertically

Depending on the position of the indoor unit on the wall of your room, you can adjust the position of the outer air flow blade on the bottom of the unit, thus increasing the efficiency of the air conditioner.



1 Press the button one or more times as required.

Result: The outer blade is adjusted vertically.

RECOMMENDATION	When...	Adjust the blade to face...
	Cooling	Upwards.
	Heating	Downwards.

2 If you want the blade to move up and down automatically when the air conditioner is operating, press the button.

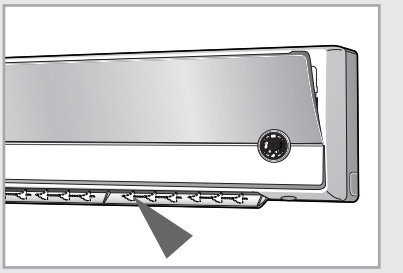
Result: The blade move up and down, around the base position set.

3 To stop the blade moving up and down, press the button again.

Note	If you switch the air conditioner...	Then the blade is...
	Off	Closed completely.
	On again	Set to the initial position powered.

Adjusting the Air Flow Direction Horizontally

There are two sets of inner air flow blades. Just as the outer air flow blade can be adjusted vertically, the inner blades can be adjusted horizontally.



1 Adjust each set of inner blades to the required position, by pushing or pulling them sideways.

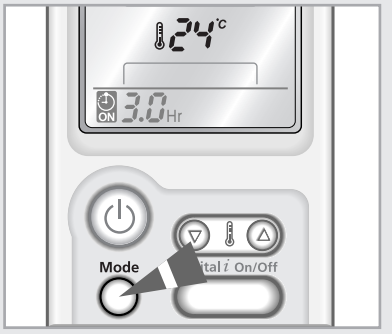
Setting the On Timer

The On Timer enables you to switch on the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.

1 To set the operating time, press the On Timer button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hour inclusive.

2 Press the Timer Set/Cancel (Set/Cancel) button to complete the setting.

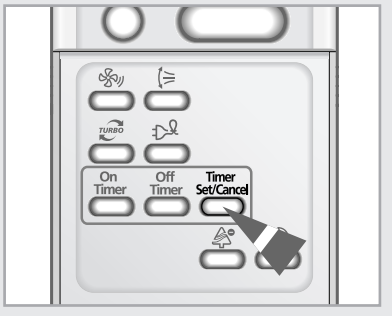
Result:
- ◆ The remaining time is displayed.
- ◆ Blinking of the timer indicator stops.
- ◆ The selected mode and the temperature on the display disappear after 10 seconds.
- ◆ The air conditioner will switch on automatically when the counter displayed on the remote control reaches the set time and disappears the On timer setting.



3 To select an operating mode in advance, press the Mode button until the desired mode is displayed at the top of the remote control.

Result:
- ◆ The air conditioner will run in the selected mode when it is turned on.

To Cancel the On Timer



Press the Timer Set/Cancel (Set/Cancel) button.

Note
- ◆ If you press the Timer Set/Cancel button when the Off Timer is set, the Off Timer is also cancelled.

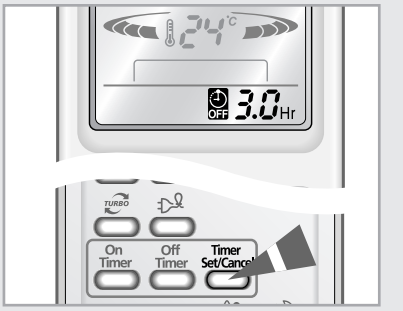
Setting the Off Timer

The Off Timer enables you to switch off the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.

1 To set the operating time, press the Off Timer button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hour inclusive.

2 Press the Timer Set/Cancel (Set/Cancel) button to complete the setting.

Result:
- ◆ The remaining time is displayed.
- ◆ Blinking of the timer indicator stops.
- ◆ The air conditioner will switch off automatically when the counter displayed on the remote control reaches the set time and disappears the Off timer setting.



Example **If you would like to turn the air conditioner on after 2 hours and to operate it for 2 hours:**

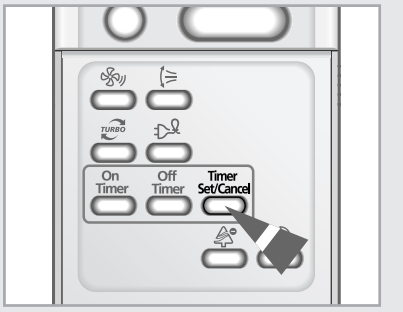
1. Press the On Timer button until '2.0 Hr' is displayed.
2. Press the Timer Set/Cancel (Set/Cancel) button.
3. Press the Off Timer button until '4.0 Hr' is displayed.
4. Press the Timer Set/Cancel (Set/Cancel) button.

Note You can see or change the setting mode and/or the temperature by pressing the Mode button or the ▽ button after setting the Off timer.

To Cancel the Off Timer

Press the Timer Set/Cancel (Set/Cancel) button.

Note
- ◆ If you press the Timer Set/Cancel button when the On Timer is set, the On Timer is also cancelled.



Setting the Sleep Timer

The Sleep Timer can be used when you are cooling or heating your room to switch the air conditioner off automatically after a period of six hours.

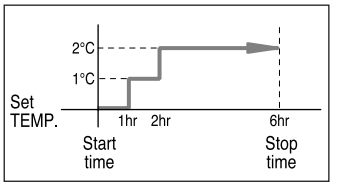
Note ***If you wish to switch the unit off at a specific time, refer to page 19.***

1 Make sure that you have selected either COOL or HEAT mode.

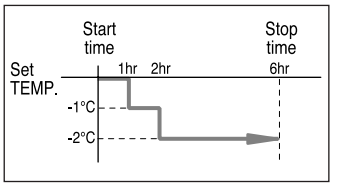
2 Press the button.

Result:
- The indoor unit beeps.
- The air conditioner will be controlled as indicated in the illustrations below.

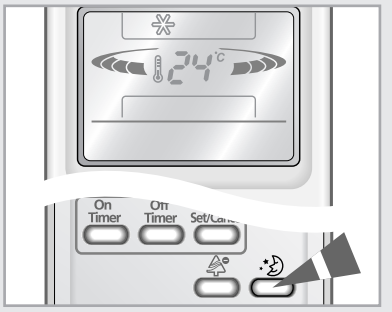
Cooling — The desired temperature is increased by 1°C every hour. When it has been increased by 2°C (after 2 hours), the temperature is maintained for 4 hours.



Heating — The desired temperature is decreased by 1°C every hour. When it has been decreased by 2°C (after 2 hours), the temperature is maintained for 4 hours.



To Cancel the Sleep Timer



If you no longer wish to use the Sleep Timer that you have set, you can cancel it at any time.

Press the button.

Result:
- The indoor unit beeps.
- The is no longer displayed.
- The air conditioner operates normally.

Operating Recommendations

Here are a few recommendations that you should follow when using your air conditioner.

Topic	Recommendation
Heating performances	The heat pump inside the air conditioner absorbs heat from outside air and brings it indoors. If the temperature of the outside air drops, the air conditioner will heat less. If you find that the room is not warm enough, use an additional heating appliance.
Warm air circulation	The air conditioner circulates warm air to heat your room; as a result, some time will be required after starting the air conditioner to warm the entire room. If necessary, set the air conditioner on before you wish to use the room.
Frost	When outside temperatures are low and humidity is high, frost may form in the outdoor unit when heating is selected. If this happens: ◆ The heating operation is stopped. ◆ The Deice mode is triggered automatically for about 7 minutes. No intervention is required from you; after about seven minutes, the air conditioner starts operating again normally.
High indoor and outdoor temperatures	If both the indoor and outdoor temperatures are high and you select the Heat mode, the outdoor unit's fan and compressor may stop at times. This is normal; simply wait until the air conditioner switches on again.
Power failure	If a power failure occurs when the air conditioner is operating, the unit is switched off. When the power returns, the air conditioner starts up again automatically.

Temperature and Humidity Ranges

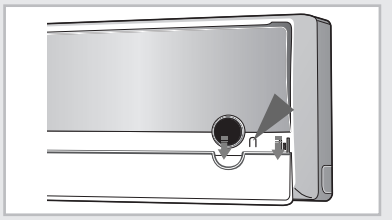
The following table indicates the temperature and humidity ranges within which the air conditioner can be used.

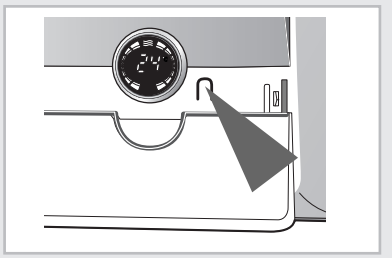
If the air conditioner is used at...	Then...
High temperatures	The automatic protection feature may be triggered and the air conditioner stopped.
Low temperatures	A water leak or some other malfunction may occur if the heat exchanger freezes.
High humidity levels	Water may condense on and drip from the surface of the indoor unit if it is used for long periods.

Mode	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	0°C to 24°C approx.	27°C or less	-
Cooling	21°C to 43°C approx.	18°C to 32°C approx.	80% or less
Drying	18°C to 43°C approx.	18°C to 32°C approx.	-

✳ ***If the outdoor temperature is as low as 0°C, the heating capacity drops up to 70~80% depending on the operating condition.***
If the cooling operation is used at over 33°C(indoor temperature), it does not cool at its full capacity.

Operating Your Air Conditioner Without the Remote Control





Your air conditioner can be operated directly from the indoor unit if the remote control is lost or broken.

1 Slide the lower front grille down.

2 To switch the air conditioner on, press the ON/OFF switch on the right side of the indoor unit.

Result: ◆ The OPERATION indicator on the indoor unit comes on.
◆ The indoor unit beeps.
◆ The air conditioner starts up in the most suitable mode for the room temperature:

Room Temperature	Operating Mode
Less than 21°C	Heat
21°C or above	Cool

3 To switch the air conditioner off, press the ON/OFF switch again.

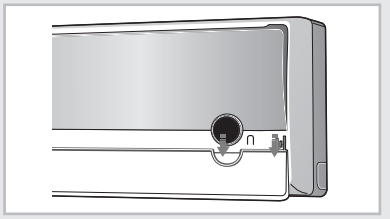
Note Even if the air conditioner has been switched on via the ON/OFF switch, operations can still be controlled using the remote control as usual.

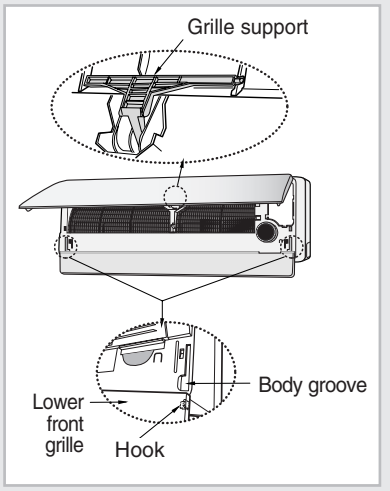
Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all	◆ Check that the breaker used for the air conditioner is switched on. ◆ Check that the operation indicator on the indoor unit is on; if necessary press the (On/Off) button on the remote control. ◆ Check whether the TIMER indicator on the indoor unit is switched on. If so: - Wait until the switch-on time is reached and the air conditioner starts up automatically - Cancel the timer (see pages 18 and 19 for further details)
The air conditioner does not operate with the remote control	◆ Check that there are no obstacles between you and the indoor unit. ◆ Check the remote control batteries. ◆ Check that you are close enough to the indoor unit (7 m/yards or less).
No beep is heard when you press the (On/Off) on the remote control	◆ Check that you are pointing the remote control at the remote control sensor in the right of the indoor unit. ◆ Replace the remote control batteries if necessary.
The air conditioner does not cool or heat	◆ Check that the correct operating mode has been selected (AUTO, COOL, HEAT). ◆ The room temperature may be too low or too high. ◆ Dust may be blocking the air filter guard; refer to page 24 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
When heating, the required room temperature is never reached and the air conditioner frequently stops	◆ Check that the required temperature has been set correctly. ◆ Increase the fan speed. ◆ If the air flow is directed upwards, use the remote control to direct it downwards.
The fan speed does not change when you press the button	◆ Check that the operating mode is set to COOL, HEAT or FAN ; in the AUTO mode, the fan speed changes automatically and in the DRY mode, it is set to AUTO.
The air flow direction does not change when you press the button	◆ Check that the air conditioner has been switched on; if necessary, press the (On/Off) button on the remote control.
The timer is not correctly triggered	◆ Check that the timer has been programmed correctly; see pages 18 and 19.
Odour is permeated in the room during air conditioning	◆ Air the room.

Cleaning Your Air Conditioner





For the best use of your air conditioner, you must clean it every 2 weeks regularly to remove the dust that accumulates on the air filter.

CAUTION ***Before cleaning your air conditioner, ensure that you have switched off the breaker used for the unit.***

1 Slide the lower front grille down.

2 Slide the upper front grille up slightly, then open the grille by pulling right and left sides of the grille.

3 Disassemble the upper front grille by opening the grille completely.

4 Lift out the bottom edge of the air filters and pull down to release them.

5 Remove all dust on the air filters with a vacuum cleaner or brush.

6 When you have finished, insert the top part of the filters into their slot and push down on the bottom edge until they click into place.

7 Clean the front grille with a damp cloth and mild detergent (Do NOT use benzene, solvents or other chemicals).

8 Fix the left side of grille support, then insert the right side of grille support.

Note

- ***If you have not used the air conditioner for a long period of time, set the fan going for 3 to 4 hours to dry the inside of the air conditioner thoroughly.***
- ***To close the upper front grille completely after cleaning filters, turn on and turn off the air conditioner.***

Cleaning Deodorizing and Bio Filters (Option)

To remove minute dust particles and odors, deodorizing and Bio filters are installed in the air conditioner.
You should clean the filters every 3 months.

1 Open the upper front grille by pulling right and left sides of the grille.

2 Pull out the deodorizing and Bio filters.

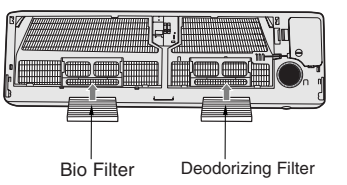
3 Wash the filters with clean water, then dry them in the shade.

4 Insert the filters into the original position.

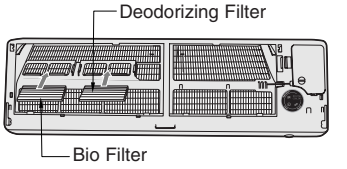
Note You can change the position of filters with each other.

5 Close the front grille.

✳✳07/09/12✳✳



✳✳18/24✳✳



Memo

Installation and maintenance

Air conditioners are technically complex products that require regular maintenance. Failure to heed to these requirements and Operation Recommendations could result in reduction of product life span as well as breakdowns of expensive parts.

Installation*

It is recommended to perform installation works by organizations with certified state licenses and Samsung certificate. Contacts for certified organizations you can receive in “Samsung Contact Center” by phones, mentioned in Warranty card and also at web site ***http://air.samsung.ru/stores/installation/.***

- Service will not be available for the outdoor unit where our servicemen can not access and the cost of moving the outdoor unit to the service area will be borne by the customer.

Maintenance*

Service works means elimination of defects, caused by Manufacturer. Service works are performed by authorized Samsung service centers; you can find contacts in list, supplied with Aircon or at web site ***http://air.samsung.ru/stores/service/.***

Preventive maintenance means periodically carried out cleaning, testing, tuning of Aircon, necessary for it’s normal work. It is recommended to execute **Preventive maintenance** by organization with certified state licenses and Samsung certificate. You can find contacts in list, supplied with Aircon or at web site ***http://air.samsung.ru/stores/.***

Recommendations for **Preventive maintenance:**

- At least once a year engage a certified specialist to carry out maintenance works, preferably during dry and warm periods.

  Maintenance works shall include:
  - Cleaning heat exchanger of indoor and outdoor unit
  - Cleaning drainage system
  - Checking the pressure level (refrigerant quantity)
  - Checking the operation modes of the system
  - Top-up of refrigerant, if necessary (usually once per 2 years)
- Please refer to page “Cleaning your Air conditioner”.

* If the installation and/or maintenance works are implemented by uncertified organizations or by service centers not authorized by manufacturer, the manufacturer cannot guarantee initial quality of the air conditioner and Customer will loose 2 years free of charge service.
* Every **Installation** and **Preventive maintenance** works **shall be paid for by the air conditioner owner,** since the product warranty does not cover any of these works.
* Aforementioned expenses on proper installation and maintenance works will be compensated by the long and reliable air conditioner operations.

Temperature limitations

It is forbidden to use air conditioner at below 0°C (outdoor temperature) because it may cause breakdowns of expensive parts.

SAMSUNG ELECTRONICS

Contact SAMSUNG WORLD WIDE

If you have any comments or questions regarding Samsung products, contact the SAMSUNG customer care center.

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